

Notes from the Ozark Prairie SETAC President

"Our dynamic Kansas City contingent of Lisa Bowers, Tilghman Hall, and Ellen Arthur will be hosting the chapter's 'Y2K' meeting , and they are already making a lot of progress."—Besser

Despite the heat and drought, this summer has been an active and productive time for the Ozark-Prairie chapter:

Chapter Meetings

We ended Spring on a high note, following the 1999 chapter meeting in Carbondale. The beautiful setting and facilities of the Touch of Nature Center, and the efforts of Dick Halbrook, his students, and the SIU staff made the meeting a great success. The quality of the plenary and contributed presentations was excellent -congratulations to all our student award winners and runners (see the news item for more details). Those who missed the meeting still have a chance to participate vicariously by purchasing a tshirt with the original graphic illustrating the meeting theme of "How Clean is Clean" (see upper right corner this page) Shirts are available from Dick and will be on sale at the chapter booth at the upcoming national SETAC meeting in Philadelphia.

Our dynamic Kansas City contingent of Lisa Bowers, Tilghman Hall, and Ellen Arthur will be hosting the chapter's 'Y2K' meeting, and they are already making a lot of progress. They have already selected a meeting site and dates: May 18-20 at St. Mary College in Leavenworth, KS. Leavenworth, located on the Missouri River just north of KC, is in the heart of Ozark-Prairie Country and should be a great location for a meeting that will focus on water quality issues in

the Missouri River basin. Board of Directors

We are preparing for more turnover in our Board with an election of four new members - look inside for your ballot and for information on the excellent slate of candidates. Unfortunately, the election means that several of our long-running board members will be leaving the Board for civilian life. I'm sure I speak for all OP-SETAC'ers when I express my thanks to this hard-working bunch: pastpresidents Lisa Bowers and Dick Halbrook and our departing treasurer, Sheryl Beauvais. Unfortunately, we will be losing Shervl from both our Board and our Region, as she departs for a post-doc at the University of Vermont. Good Luck, Sheryl!

Other changes in the Board and officers: Steve Hicks of ABC Labs has taken over as Treasurer, and Ellen Arthur will take over from Marcia Nelson as newsletter editor after this issue. Thanks, Marcia, for setting a new standard of quality in our chapter newsletter over the past two years! National Meeting

I hope many of you will have a chance to participate in the upcoming national SETAC meeting in Philadelphia. If you do, I hope you get up early for the OP-SETAC meeting, help out at the Regional Chapter booth, at least buy a t-shirt to show your chapter colors!



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"Web"sters!!

Visit the Ozark-Prairie homepage on the World Wide Web:

http://wwwaux.cerc.cr. usgs.gov/opsetac/

Interested in helping or providing materials?
Contact John Besser at <John_Besser@usgs.gov>

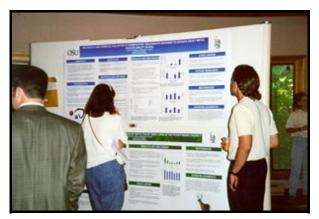


OP-SETAC Annual Meeting Highlights

May 20-22, 1999

Dick Halbrook





Poster presentations at the 1999 Annual Meeting were placed in the Touch of Nature Environmental Center, a "room with a view" into the oak-hickory forest canopy.

The Ozark-Prairie Chapter annual meeting was held at the Touch of Nature Environmental Center, Carbondale, IL, May 20 - 22. The **Environmental Center is part of Southern** Illinois University, and it provided a beautiful setting. The meeting began with members participating in an EcoRisk game moderated by Richard Kimerle, formerly of Monsanto. The game was interesting as well as educational. As is our tradition, the student poster and platform presentations played a significant role in our efforts to support and foster student participation in SETAC. This year's presentations were outstanding and the efforts of all the contributors were appreciated. The 1st, 2nd, and 3rd, place winners of the Student Poster and Platform Awards were, respectively, Mozhgan Savabieasfahani (Oklahoma State University), Jason Conder (Oklahoma State University), and Jason Wells (Oklahoma State University); and Catherine Richter (University of Missouri), Christine Bridges (University of Missouri), and Shelley Gray (Southern Illinois University). Our congratulations to all of the 1999 award winners.

This year's theme was, "Remediation: How Clean is Clean." Our keynote speakers, Kevin Turner, On Scene Coordinator, U.S. EPA (formerly EPA Remedial Project Manager), Steve Davis, Remediation Projects Manager, Waste

Management Research Center, Illinois Department of Natural Resources, and Leanne Moore, CERCLA Coordinator, Crab Orchard National Wildlife Refuge, addressed this topic at different organizational hierarchies. Their presentations were highly informative, and we thank them for their participation. In keeping with the theme of the meeting, we visited recently remediated sites

on Crab Orchard National Wildlife Refuge and enjoyed a presentation of the history of the contaminant problem presented by Matt Vick, Contaminants Specialist, Crab Orchard National Wildlife Refuge.

Ozark-Prairie would like to especially thank Jill Arena, Arena Design and Illustration, Chicago (Ozark-Prairie member Sandi Arena's sister-in-law), for the awesome design for this year's t-shirts. SETAC members will have the opportunity to view and purchase a t-shirt at the SETAC North America meeting in Philadelphia. Our thanks go also to Marcia Nelson, SETAC Board member, for updating us regarding happenings at SETAC North America. I would like to express my appreciation to Karen Lesniak, Touch of Nature Coordinator, and John Lindl, Chartwells Educational Food Service, Touch of Nature for the excellent job they did in assisting with our meeting and dining. The food was delicious and, for sure, no one went hungry. Finally I would like to thank Ozark-Prairie members Shelley Gray, Sandi Arena, and Sheryl Beauvais for their assistance in organizing and managing the meeting, and as always, Ozark-Prairie is thankful for the continued support of our sponsors, Bayer Corporation, Monsanto Company, and The Stover Group.



OP-SETAC'ers feast on cake celebrating David Janz's birthday, but on closer inspection, all could be mistaken for eating bird food!



Nominees for OP-SETAC Board of Directors

Alan Kolok, University of Nebraska at Omaha

Alan Kolok received his Bachelor of Arts degree from Miami University (Zoology, 1978); his Master of Science degree from the University of Washington (College of Fisheries and Oceanic Sciences, 1981). After receiving his M.S. degree, Alan worked for four years as a Fisheries Biologist for the US Fish and Wildlife Service. He ultimately returned to graduate school and was granted a Ph.D. from the University of Colorado (Environmental, Population and Organismic Biology) in 1991. Since completing his Ph.D., Alan has had two postdoctoral positions, and was an assistant professor for three years at Nicholls State University in southern Louisiana. Currently Alan is an assistant professor at the University of Nebraska at Omaha, and is a member of the University of Nebraska, Center for Environmental Research. Teaching responsibilities include: Animal Physiology, Environmental Biology and Toxicology. Current areas of research include: identifying the physiological mechanisms underlying the susceptibility and resistance of fathead minnows to copper and determining whether exposure to cattle feedlot effluent impairs the reproductive performance of local fishes. His primary interest in becoming a board member is to give his students an opportunity to mingle with other students interested in toxicology, and to give them the opportunity to participate in regional SETAC meetings.

David Janz, Oklahoma State University at Stillwater

David Janz has a B.Sc. (Ecology) from Simon Fraser University, M.Sc. (Environmental and Resource Studies) from Trent University, and a Ph.D. (Pharmacology and Toxicology) from the University of British Columbia. After a two year postdoc at the University of Guelph with Dr. Glen Van Der Kraak, he joined the zoology faculty at OSU in 1997. His general research interests involve understanding physiological and biochemical mechanisms of toxicity in vertebrates, particularly with respect to reproductive endocrinology. He has

published the results of toxicological research in fish, birds and mammals (reptiles are next). His current research focus involves investigating how toxicants are able to stimulate apoptosis (cell suicide) in endocrine-responsive tissues such as the ovary and testis. He has been a SETAC member since 1989.

Robert Bringolf, Iowa State University at Ames

I received my BA from Wartburg College in 1995, where I served as the president of Beta Beta Beta in 1994-5. I went directly to the University of Wisconsin- La Crosse for an MS, where I worked under Mark Sandheinrich and Becky Lasee. My thesis was fish health oriented, and looked at the relationship between dietary vitamin C and susceptibility of brook trout to bacterial kidney disease (BKD). I did get an aquatic tox background while in La Crosse, however, in courses such as Environmental Toxicology, Aquatic Toxicology, and Aquatic Contaminants. From there I came to Iowa State, where I will be beginning my second year of work towards a PhD in toxicology and animal ecology under Robert Summerfelt and Gary Atchison. I am interested in endocrine disruption and we have recently secured funding to begin a project involving screening fish for exposure to environmental estrogens.

Jennifer Anhalt, Iowa State University at Ames

I received my bachelor's of science degree in Animal Ecology from Iowa State University, in 1994. During my undergraduate career, I worked for Dr. Joel Coats in the Pesticide Toxicology Lab. Here I learned valuable laboratory skills, teamwork, and what kind of commitment graduate school would involve. After graduation I continued to work for Dr. Coats. In 1997 I started a masters program at ISU, in microbiology. My advisor is Tom Moorman, who is with the USDA-ARS. The work for my thesis is focusing on finding a microorganism to degrade the insecticide imidacloprid and to help answer the bigger question of

bioavailability. I am currently the Vice-President of the Microbiology Graduate Student Organization (MGSO) at ISU. I have been involved with OP-SETAC since 1993, entering a poster at each meeting. I would be greatly interested in serving on the board and strengthening the OP-SETAC-ISU connection. I would like to encourage OP-SETAC to let ISU host our next meeting. As a member of the board I will be able to bring student ideas to our society and would be in a good position to help organize our next meeting.



John Besser Columbia Environmental Research Center USGS-BRD 4200 New Haven Road Columbia, MO 65201

stamp

John Besser Columbia Environmental Research Center USGS-BRD 4200 New Haven Road Columbia, MO 65201

Fold upper flap on line so that address is up. Place a stamp in the corner, drop in the mail and you are finished with this ballot process.

1. Vote for four candidates by September 10, 1999.

Jennifer Anhalt
Robert Bringolf
David Janz
Alan Kolok
Write-in Candidate Name:

2

Fold this end up to top line so that ballot is covered.



OP-SETAC Board MinutesMay 22, 1999 Meeting

Meeting held in Carbondale, Illinois on Saturday, May 22, 1999. Attendees: John Besser, Marcia Nelson, Sheryl Beauvais, Dick Halbrook, Shelley Gray, Sandi Arena, Steve Hicks, Gary Atchison, Tilghman Hall, Lisa Bowers Absent: Ellen Arthur

Minutes prepared by Lisa Bowers

- 1. The design of the OP-SETAC t-shirt was a big success with the membership. Almost all of them had been sold at the time of the meeting. The "remediation" design was produced by the artist, Jill Arena. She donated the design as a result of Sandi Arena's connection to OP-SETAC. Thank you to Sandi and Jill. We plan to make another 50 shirts for delivery to meeting attendees and to sell at National SETAC this fall. We gave each of the plenary speakers and some of the key meeting organizers (non-OP-SETAC members) shirts as a token of our appreciation.
- 2. Marcia Nelson will use the design on the OP-SETAC newsletter. Dick Halbrook has a print ready copy of the artwork that will be scanned for electronic use.
- 3. Dick Halbrook is still collecting the bills for the meeting. Everything went well and the Board congratulated Dick, Shelley and Sandi for a great meeting. Expenses for the meeting should be within budget. Richard Kimerle

- presented the EcoRisk game on Thursday afternoon. That was a good learning experience for the participants (~13).
- 4. Sheryl handed out a Treasurer's report. OP-SETAC is in good financial shape. Lisa Bowers will contact Doug Fort regarding the \$200.00 he had said would be available for sponsoring the newsletter. Steve Hicks said that ABC Labs would donate \$150.00 to the chapter. Tilghman Hall and Sheryl Beauvais will send a letter to Mike McKee at Monsanto. Mike needs a letter to get the money from Monsanto's budget to OP-SETAC.
- 5. Our May 2000 OP-SETAC meeting, theme, and location is still in discussion. Iowa State, via Gary Atchison and Joel Coats, may be able to host an OP-SETAC meeting in 2001 or 2002. Oklahoma State, via David Janz, may host an OP-SETAC meeting soon, possibly 2000 or 2001. Also, Lisa Bowers and Tilghman Hall are looking into sponsoring a meeting in Kansas City in May, 2000. They will be contacting some likely cooperators in the KC area. Another possibility is having the Bayer OP-SETAC members co-chair the meeting with Marcia Nelson and John Besser at CERC in Columbia. John Besser will look into a meeting location at the Lake of the Ozarks for May 2000. Lisa, Tilghman, Marcia and John will get some of these

- unknowns taken care of so that the OP-SETAC board can make a decision in June, 1999. Once Lisa and Tilghman determine whether Kansas City will work out, OP-SETAC will have a conference call among the Board members and other interested parties. That call will detail what will happen in KC, what will happen at the Lake of the Ozarks, or what will happen in Stillwater. If you are not on the Board and would like to be part of the conference, please contact Lisa Bowers via email or at (913) 433-5361 and she will put you on the list. Stay tuned.
- 7. Lisa Bowers contacted Mike Lydy at Wichita State Univ. shortly after the Board meeting. The next South-Central Chapter meeting will be in Denton, Texas in April 2000. An exact date has not been chosen. The South-Central members would prefer we not have the OP-SETAC meeting overlap with the World SETAC conference, which is also in late May, 2000. That way they could potentially attend both chapter meetings in 2000.
- 8. John Besser and Sheryl Beauvais will take over the newsletter. All the Board members again gave Marcia Nelson high praise for the newsletter changes that she implemented. Also, thank you to John for volunteering and Sheryl for keeping up the good work. Marcia's National SETAC obligations and her CERC work load takes her out of the newsletter business for OP-SETAC. Hopefully, the change will be temporary. Marcia will keep us informed.
- 9. John Besser continues to work on improvements to the OP-SETAC website. It is connected to the National SETAC website and can be accessed directly.
- 10. We are collecting nominations for OP-SETAC board members. There are 3 or 4 positions that need to be filled. The term would begin in January, 2000. Alan Kolock (Univ of Nebraska), Robert Bringolf (Iowa State), Jennifer Anhalt (Iowa State) and David Janz (Oklahoma State) were nominated by various board meeting attendees. All of these individuals will be contacted to see if they are interested and will accept the nomination. The biographical info (short paragraph) will need to be submitted to Sheryl Beauvais at CERC by June 4, 1999.



OP-SETAC'ers listen to Matt Vick, Contaminants Specialist, Crab Orchard National Wildlife Refuge, (center, light shirt) as he discusses the history of the contaminant problem and remediation efforts.



OP-SETAC Student Awards



Student award winners standing, from left to right: Jason Wells, Jason Conder, Shelley Gray, Mozhgan Savabieas fahani, and Cathy Richter. Center: giant morel mushroom only found in the quiet forests of southern Illinois, honorary member of OP-SETAC.

Ozark Prairie SETAC 2000 15th Annual Meeting Leavenworth, Kansas

Date: May 18 to 20, 2000 Saint Mary College 4100 South Fourth Street Leavenworth, KS 66048-5082 http://www.smcks.edu/

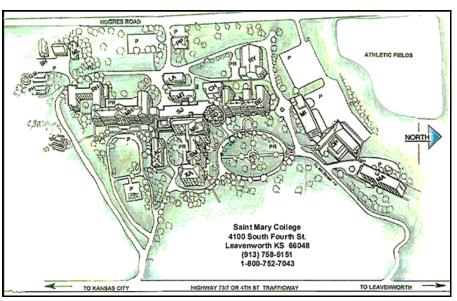
Saint Mary College is located in Leavenworth, Kansas. Leavenworth is a very historic city with several museums, historic buildings, and Fort Leavenworth (outpost on the west and home of the Buffalo soldiers). It has some coffee shops, two movie theaters, a dance club (2010), a country western bar (Jennie Crickets), several other bars, and a mall. For more about Leavenworth, go to the City of Leavenworth homepage at http://leavenworth-net.com/.

Student Poster:

Mozhgan Savabieasfahani (Oklahoma State University), Jason Conder (Oklahoma State University), and Jason Wells (Oklahoma State University);

Student Platform:

Catherine Richter (University of Missouri), Christine Bridges (University of Missouri), and Shelley Gray (Southern Illinois University).



SETAC Student Travel Award

Http://www.setac.org/awards.html

The purpose of the SETAC Student Travel Award Program is to encourage the attendance and participation of student members of SETAC at the annual meetings. Encouragement is provided as a monetary award in support of travel and accommodations for students presenting research findings at an Annual Meeting. The award will be made directly to the student.

Requirements and Limitations: APPLICANT MUST BE A SETAC STUDENT MEMBER IN GOOD STANDING. Monetary support equal to the Award must be provided by either the student, student's institution, advisor, or from other sources. One award will be allowed during a particular degree program, with a maximum of two awards allowed per student (e.g., one during Master's and one during Doctoral study). You may only apply for one travel award (e.g., Student Travel Award or SETAC Program for Minority Students and Mentors) in any given year. Applicants must be making a platform or poster presentation at the Annual Meeting.

Application Materials: The following materials comprise a complete application package. Incomplete applications will not be eligible for awards. One copy of the complete application package should be received at SETAC Office by 1 September, the year of the Meeting.

A completed application form; A

copy of the applicants abstract; A onepage curriculum vitae of the applicant; A statement of research goals and accomplishments by the applicant (one page maximum); A supporting statement by the applicant's research advisor (one page maximum); and Evidence of the required monetary match.

EACH APPLICATION MUST STAND ALONE; GROUP APPLICATIONS WILL NOT BE ACCEPTED.

Evaluation Procedures: Ideally, all applicants for a travel award will be funded. However, because the number of awards is limited by available funds, applicants will be ranked on the basis of the following criteria:

Completeness and timeliness of the application package; Quality of the abstract; and Organization and presentation of applicant's statement of goals and accomplishments.

If the number of highly meritorious applicants exceeds the available funds, selections will be made with the objectives of maintaining discipline- and geographical-based distribution.

To request an application for this award, please email at setac@setac.org or contact:

SETAC, 1010 North 12th Avenue, Pensacola, FL 32501-3367

T 850-469-1500; F 850-469-9778



Rich Kimerle (right), charter OP-SETAC member, conducts a debriefing after participants played the EcoRisk game of high environmental stakes. Role playing and contaminant technical expertise were beneficial for the winning teams (community, business, regulators, environmental groups...).

Beauvais Resigns Under Duress from Career Pressure

...Ozark Prairie-SETAC Loses Dedicated Member

OP-SETAC'ers:

I received news that I was selected for a postdoc at the University of Vermont, on a project which deals with water quality in Lake Champlain.

Regretfully, I must resign from the OP-SETAC Board, which means in addition to another Board member you'll need a new treasurer and someone to help with the newsletter.

I'll be leaving sometime in August (we're still negotiating the date), and I should surrender the treasurer's records sometime in the next 3-4 weeks.

It's been an absolute honor and pleasure serving with you, and I've gained a lot from the experience. Moreover, I've enjoyed and benefited immensely from my years of membership in our chapter. I'll miss you! Best wishes to you all, and although I'll be "forced" to join the North Atlantic SETAC chapter, my heart will still be in OP-SETAC!

Regards, Sheryl Beauvais

New Addresses:

Work:

School of Natural Resources Aiken Center University of Vermont Burlington, VT 05405

Phone: (802) 656-4057 Fax: (802) 656-8683

Home:

344 North Street, Apt. 1 Burlington, VT 05401



SETAC Program for North American Minority Students and Mentors in Environmental Toxicology and Chemistry

http://www.setac.org/awards.html

SETAC is pleased to announce a program to introduce North American minority students and/or their faculty mentors to the Society and to the professional opportunities offered in the fields of environmental toxicology, environmental chemistry, and risk assessment. The long-term goal is to increase the awareness among minorities of educational opportunities and career choices in the fields encompassed by the members of SETAC.

Selected individuals will receive a oneyear membership to the Society and funds in support of travel to each SETAC annual meeting, including meeting registration costs, admission to one short-course, and admission to all social functions. Individuals will be selected on a competitive basis; the selection process will be implemented through the SETAC Awards & Fellowship Committee. Applications must be received by the SETAC Office by 1 September the year of the meeting. For more information, or to obtain additional copies of the application materials, contact the SETAC Office (T 850-469-9777; F 850-469-9778; setac@setac.org).

Application Procedure and Criteria for Selection: For the purposes of this award, the term "minority" refers to Blacks, Hispanics, Native Americans, Asian Americans, Pacific Islanders, and other ethnic groups designated by the Board of Directors. North American minority undergraduate students, graduate students, and faculty mentors of these students with an interest or area of study allied with SETAC will be eligible to apply. One copy of an application package must be received by the SETAC Office by 1 September. (Applications received by FAX will not be accepted.) The application package should include the following items:

A completed application form; A one-page curriculum vitae of the applicant;

A one-page statement of educational/ professional goals and accomplishments by the applicant, and how these goals and accomplishments coincide with the mission of SETAC; and

A letter of endorsement by the applicant's faculty advisor (for students) or academic supervisor (for faculty), one-page maximum.

Ideally, all applicants would be sponsored. However, because the number of awards is limited by available funds, applicants will be ranked on the basis of the following criteria:

Completeness and timeliness of the application package;

Quality of educational/professional goals and accomplishments in relation to the background of the applicant; and

Organization and presentation of the applicant's statement of goals and accomplishments.

If the number of highly meritorious applicants exceeds the available funds, selection will be made with the objectives of maintaining educational, discipline- and geographical-based distribution. You may only apply for one travel award (e.g., Student Travel Award or SETAC Program for North American Minority Students and Mentors) in any given year.

To request an application for this award, please email setac@setac.org or contact:

SETAC 1010 North 12th Avenue Pensacola, FL 32501-3367 U.S.A. T 850-469-1500 F 850-469-9778

SETAC Graduating Students

http://www.setac.org/students.html

To help students obtain that first job, SETAC is providing space for students to post a brief synopsis of their course work or thesis, and a description of what they are looking for in a career.

You may e-mail a 500 word curriculum vitae to the SETAC Office where it will be posted on this site from 3 months prior to your graduation, to 3 months after you graduate. If you have any questions, please contact Cheri Mertins at the SETAC Office, <cmertins@setac.org>.





You too can stretch and pull every muscle you haven't used for a while! Volleyball, or a facsimile of the game, is played at every OP-SETAC annual meeting. It's a tradition...



SETAC 2000 Pre-Doctoral Fellowship Announcement

http://www.setac.org/awards.html

2000 FELLOWSHIP ANNOUNCEMENT SETAC

\$15,000 Pre-Doctoral Fellowship Award Sponsored by Procter & Gamble

Description: The Society of **Environmental Toxicology and Chemistry** (SETAC) Pre-Doctoral Fellowship, sponsored by The Procter & Gamble Company, provides a \$15,000 (U.S.) stipend for a full calendar year. The Fellowship will be awarded on a competitive basis to a pre-doctoral student devoting full time to dissertation research and who is within two years of completing her/his graduate studies. Preference will be given to students pursuing their Ph.D. degree in some area of environmental toxicology, environmental chemistry, or risk assessment, especially if the research is clearly related to non-human target organisms and their environment. The awardee may elect to have the stipend payments initiated either 1 January 2000 or 1 July 2000.

Eligibility: Pre-doctoral students whose research area and academic standing are consistent with the above description of the Fellowship may apply. THE DISSERTATION DIRECTOR MUST BE A SETAC MEMBER IN GOOD STANDING. Because the \$15,000 is paid to the recipient's institution to cover the cost of the Fellowship stipend, and because no overhead expenses are allowed, it is necessary that an authorized representative approve the application on behalf of the institution.

Application Instructions: An application packet containing, in order, the following materials must be submitted through the dissertation director. The application packet must contain all of the materials requested to be considered for an award.

Cover page containing title of Fellowship, title of research proposal,

name and mailing address of applicant and authorized institutional representative, and approval signatures of dissertation director and authorized representative of the institution. State the amount of the Fellowship (\$15,000) and the 12-month period (1 January - 31 December 2000 or 1 July 2000 - 30 June 2001) to be covered by the award.

A description of the dissertation research prepared by the applicant consisting of (a) title; (b) objectives; rationale; (d) relevancy to environmental quality or risk assessment (e) general methodological approaches; (f) significance of anticipated results; and (g) a report of progress on work completed on the project to date. This entire section (a-g) must not exceed 10 pages of single-spaced text.

A curriculum vitae of the applicant (2 pages maximum), transcripts of all graduate work, and a listing of undergraduate courses relevant to the applicant's field of specialization.

A letter in support of the applicant from the dissertation director that includes a statement that resources required to conduct the research are available to the applicant and that the proposed research can be completed during the period of the fellowship.

Eight (8) collated copies of the material requested above should be sent to SETAC, 1010 North 12th Avenue, Pensacola, FL 32501-3367, U.S.A.

Completed application packets must be received in the SETAC Office by 1 September 1999.

Reports and Acknowledgements:

Copies of the dissertation and any article, paper, or manuscript prepared under the Fellowship are required from the recipient. These should be sent to the SETAC Office at the above address. Publication resulting from work under the Fellowship should bear the following statement: "This work was supported by the Society of Environmental Toxicology and Chemistry (SETAC) Pre-Doctoral Fellowship, sponsored by The Procter & Gamble Company."

Selection of Awardee: The recipient of the Fellowship will be selected by the SETAC Fellowship Committee. Proposals will be ranked for excellence in various categories, including curricular content and performance, objectives and rationale of the proposed studies, relevancy of the research, originality, soundness of approach, feasibility of accomplishing stated objectives, organization and presentation of the proposal, and quality and quantity of research in progress. Proposals by applicants for whom English is a second language may benefit from a presubmission review for grammar and content. Announcement of the awardee will be made at the 19th SETAC Annual Meeting in Philadelphia, PA, 14 - 18 November 1999. All applicants will receive a written critique of their proposals.

Completed application packets must be <u>received</u> in the SETAC Office by 1 September 1999.



SETAC 1999 20th Annual Meeting Professional Development

Short Courses to be Offered

http://www.setac.org/philly.html

14 - 18 November 1999 Pennsylvania Convention Center Philadelphia, PA, USA

Short courses are always a popular aspect of SETAC annual meetings and the trend will continue in Philadelphia. Short courses provide opportunities for personal and professional growth and stimulation, as well as interaction and sharing of expertise, techniques, and approaches that can't always be conveyed through posters or platform presentations. Short courses give opportunities for participants to get hands-on experience with particular scientific procedures and disciplines, emphasizing the "art of the science." They also provide extensive overviews of issues of concern and importance in environmental sciences, including newly developing "hot topics." Short courses enable participants to introduce themselves to subjects and interests they may not otherwise have had time to investigate. The courses encourage interaction between instructors and participants, enabling discussion of points of consensus and contention.

- 1 A WET Tale: Toxicity of Complex Effluents (two days, November 13-14)
- 2 Taming the Wild, Wild WET: Analysis and Interpretation of Toxicity Tests (all day, Sunday November 14)
- 3 Geographic Information Systems Applications in environmental Toxicology: An Introduction (all day, Sunday November 14)
- 4 Using Bayesian Monte Carlo Analysis in Ecological Risk Assessments (all day Sunday November 14)
- Integrated Design of Constructed Wetlands (all day Sunday November 14)
- 6 Soil Toxicity Evaluation: Current Practice and Applications

(morning, Sunday November 14)

- 7 The Practice of Structure Activity Relationships (SAR) in Toxicology (morning, Sunday November 14)
- 8 Applications of Fugacity Models (morning, Sunday November 14)
- 9 Basics of Ecological RiskAssessment (morning, November 14)
- 10 Environmental Ethics/Values: Introduction and Applications to Risk Assessment (morning, Sunday November 14)
- 11 Advanced Ecological Risk Assessment (afternoon, Sunday November 14)
- 12 Toxicity Identification Evaluation/ Toxicity Reduction Evaluations (afternoon, Sunday November 14)
- 13 Regional Ecological Risk
 Assessment and Population/
 Landscape Ecology (afternoon,
 Sunday November 14)
- 14 Introduction to Pesticide Probabilistic Ecological Risk Assessment (afternoon, Sunday November 14)
- 15 Estrogen Mimics in Health and Disease (afternoon, Sunday November 14)

We hope to see you in Philly in November 1999.

EnviroEd: A SETAC Special Session

Tuesday all day, November 16

Join the SETAC Education Committee in an innovative, action-oriented environmental education session to encourage active participation in environmental education. The cornerstone of this session will be the opportunity to learn new methods and approaches to education through non-traditional platform discussions using hands-on learning activities in a traditional setting.

In addition to these experiential learning activities, presentations will be given on success stories for getting public involvement in risk assessment processes, getting environmental toxicology into a liberal arts curriculum, and taking aquatic toxicology into high schools. A keynote speaker is planned for the session and distribution of educational resources (i.e., SETAC curriculum materials packets, activity descriptions, and great on-line environmental education resources).

An Activities Booth will be set up in the Exhibits Area for further demonstrations of classroom educational activities, interactions with educators, and to play challenging environmental games, such as EcoChallenge and Peril. With EnviroEd and its associated activities, the Committee hopes to stimulate participants' creative thinking and awareness and transform that energy into eager participation in environmental education.

With educational materials developed for SETAC use, new ideas, and the confidence to enter classrooms/volunteer for programs in each one's community, it is hoped that participants will be more apt to participate as educators. After this continuing education experience, attendees will be able to teach difficult, and often complex environmental science concepts and share the fundamental mission of SETAC with those who would otherwise not have the learning opportunity.

Contact Marcia Nelson, SETAC Education Committee Chair for more information: mnelson@cerc.cr.usgs.gov 573-876-1875



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John Besser USGS Biological Resources Division Columbia Environmental Research Center 4200 New Haven Road Columbia, MO 65201

OP-SETAC Membership Application http://wwwaux.cerc.cr.usgs.gov/opsetac/membership.htm

Ozark-Prairie SETAC News

